

Customer Number: 000959

Attorney's  
Docket  
Number WII-007

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Cyclic Ether Vitamin D3 Compounds, 1 $\alpha$ (OH) 3-EPI Vitamin D3 Compounds and Uses Thereof

the specification of which

(check one)

     is attached hereto.

X was filed on May 15, 1998 as

Application Serial No. 09/079,942

and was amended on \_\_\_\_\_  
(if applicable)

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

## PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

| Country | Application Number | Date of Filing<br>(month,day,year) | Priority Claimed<br>Under 35 USC 119                     |
|---------|--------------------|------------------------------------|--|
|         |                    |                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|         |                    |                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|         |                    |                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|         |                    |                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|         |                    |                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/046,690  
(Application Serial No.)

May 16, 1997  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

# CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

|                                 |                      |  |
|---------------------------------|----------------------|--|
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u> | <u>(Status)</u><br>(patented,pending,aband.) |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u> | <u>(Status)</u><br>(patented,pending,aband.) |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

|                        |                 |                          |                  |
|------------------------|-----------------|--------------------------|------------------|
| W. Hugo Liepmann       | Reg. No. 20,407 | Jeremiah Lynch           | Reg. No. 17,425  |
| James E. Cockfield     | Reg. No. 19,162 | Lawrence E. Monks        | Reg. No. 34,224  |
| Thomas V. Smurzynski   | Reg. No. 24,798 | David A. Lane            | Reg. No. 39,261  |
| Ralph A. Loren         | Reg. No. 29,325 | Catherine J. Kara        | Reg. No. 41,106  |
| Thomas J. Engellenner  | Reg. No. 28,711 | Scott D. Rothenberger    | Reg. No. 41,277  |
| Giulio A. DeConti, Jr. | Reg. No. 31,503 | Thomas P. Grodt          | Reg. No. 41,045  |
| Ann Lamport Hammitte   | Reg. No. 34,858 | Linda M. Chinn           | Reg. No. 31,240  |
| Paul Louis Myers       | Reg. No. 35,965 | Kevin J. Canning         | Reg. No. 35,470  |
| Elizabeth A. Hanley    | Reg. No. 33,505 | Ivana Maravic-Magovcevic | Reg. No. P43,338 |
| Michael I. Falkoff     | Reg. No. 30,833 | Faustino A. Lichauco     | Reg. No. P41,942 |
| John V. Bianco         | Reg. No. 36,748 | C. Eric Schulman         | Reg. No. P43,350 |
| Amy E. Mandragouras    | Reg. No. 36,207 | Jeanne M. DiGiorgio      | Reg. No. P41,710 |
| Anthony A. Laurentano  | Reg. No. 38,220 | Megan E. Williams        | Reg. No. P43,270 |
| Jane E. Remillard      | Reg. No. 38,872 |                          |                  |
| Mark A. Kurisko        | Reg. No. 38,944 |                          |                  |

Send Correspondence to Elizabeth A. Hanley at Customer Number: 000959 whose address is:  
Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Elizabeth A. Hanley, (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|                                     |      |
|-------------------------------------|------|
| Full name of sole or first inventor |      |
| Satayanarayana G. Reddy             |      |
| Inventor's signature                | Date |
| <i>S. Reddy</i>                     |      |
| Residence                           |      |
| 3 Jones Circle, Barrington RI 02806 |      |
| Citizenship                         |      |
|                                     |      |
| Post Office Address (if different)  |      |
|                                     |      |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Satyanarayana G. Reddy

Serial No.: Not Yet Assigned

Filed: Herewith

For: Cyclic Ether Vitamin D3 Compounds, 1 $\alpha$  (OH)  
3-EPI Vitamin D Compounds and Uses Thereof

Attorney Docket No.: WII-007DV2

Group Art Unit: 1626

Examiner: Solola, T.A.

Assistant Commissioner for Patents  
Washington, D.C. 20231

ASSOCIATE POWER OF ATTORNEY

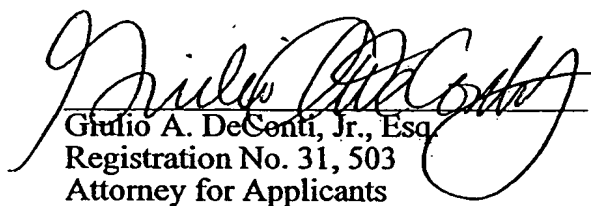
Sir:

The undersigned attorney has the power of attorney in the subject patent. He hereby grants an associate power to:

Peter C. Lauro, Esq.  
Registration No. 32,360

Please continue to forward all written and telephonic communications to Elizabeth A. Hanley, Esq. at the address and telephone number listed below.

Respectfully submitted,

  
Giulio A. DeConti, Jr., Esq.  
Registration No. 31, 503  
Attorney for Applicants

LAHIVE & COCKFIELD, LLP  
28 State Street  
Boston, MA 02109  
Tel. (617) 227-7400

Dated: July 17, 2000

Customer Number: 000959

Attorney's  
Docket  
Number WII-007DV2

Supplemental Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Cyclic Ether Vitamin D3 Compounds,  $1\alpha$ (OH) 3-EPI Vitamin D3 Compounds and Uses  
Thereof

the specification of which

(check one)

       is attached hereto.

X was filed on July 17, 2000 as

Application Serial No. 09/617,881

and was amended on September 10, 2001 and February 8, 2002.  
(if applicable)

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

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## PRIORITY CLAIM

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(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Country | Application Number | Date of Filing<br>(month,day,year) | Priority Claimed<br>Under 35 USC 119 |
|---------|--------------------|------------------------------------|--------------------------------------|
|         |                    |                                    | _ Yes      No _                      |
|         |                    |                                    | _ Yes      No _                      |
|         |                    |                                    | _ Yes      No _                      |
|         |                    |                                    | _ Yes      No _                      |
|         |                    |                                    | _ Yes      No _                      |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

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CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

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60/046,690

(Application Serial No.)

May 16, 1997

(Filing Date)

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|                          |                 |                           |
|--------------------------|-----------------|---------------------------|
| <u>09/079,942</u>        | <u>05/15/98</u> | <u>patented</u>           |
| (Application Serial No.) | (Filing Date)   | (Status)                  |
|                          |                 | (patented,pending,aband.) |
| <u></u>                  | <u></u>         | <u></u>                   |
| (Application Serial No.) | (Filing Date)   | (Status)                  |
|                          |                 | (patented,pending,aband.) |

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|------------------------|-----------------|---------------------|---------------------------|
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| Thomas V. Smurzynski   | Reg. No. 24,798 | David J. Rikkers    | Reg. No. 43,882           |
| Ralph A. Loren         | Reg. No. 29,325 | Maria C. Laccotripe | Limited Recognition       |
| Giulio A. DeConti, Jr. | Reg. No. 31,503 |                     | Under 37 C.F.R. § 10.9(b) |
| Ann Lamport Hammitte   | Reg. No. 34,858 | Debra J. Milasincic | Reg. No. 46,931           |
| Elizabeth A. Hanley    | Reg. No. 33,505 | David R. Burns      | Reg. No. 46,590           |
| Amy E. Mandragouras    | Reg. No. 36,207 | Sean D. Detweiler   | Reg. No. 42,482           |
| Anthony A. Laurentano  | Reg. No. 38,220 | Cynthia L. Kanik    | Reg. No. 37,320           |
| Kevin J. Canning       | Reg. No. 35,470 | Theodore R. West    | Reg. No. 47,202           |
| Jane E. Remillard      | Reg. No. 38,872 | Shayne Y. Huff      | Reg. No. 44,784           |
| DeAnn F. Smith         | Reg. No. 36,683 | Hathaway P. Russell | Reg. No. 46,488           |
| Peter C. Lauro         | Reg. No. 32,360 | Daniel B. Ko        | Reg. No. 47,332           |
| Jeanne M. DiGiorgio    | Reg. No. 41,710 | John S. Curran      | Reg. No. 50,445           |
| Megan E. Williams      | Reg. No. 43,270 |                     |                           |

all of: **LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, Massachusetts 02109-1784**

and to:

|                             |                 |                     |                 |
|-----------------------------|-----------------|---------------------|-----------------|
| George W. Johnston          | Reg. No. 28,090 | William H. Epstein  | Reg. No. 20,008 |
| Dennis P. Tramaloni         | Reg. No. 28,542 | Robert A. Silverman | Reg. No. 35,682 |
| Patricia S. Rocha-Tramaloni | Reg. No. 31,054 |                     |                 |

all of: **HOFFMAN-LAROCHE INC., 340 Kingsland Street, Nutley, New Jersey 07110-11997**

Send Correspondence to Elizabeth A. Hanley at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Elizabeth A. Hanley, (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by

fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|   |                  |
|---|------------------|
| Full name of sole or first inventor<br>Satyanarayana G. Reddy |                  |
| Inventor's signature<br><i>G. S. Reddy</i>                    | Date<br>MAY/2/02 |
| Residence<br>3 Jones Circle, Barrington, RI 02806             |                  |
| Citizenship<br>Canada   |                  |
| Post Office Address (if different)                            |                  |